

# Converting Colors

XYZ(60.6224, 58.7379,  
141.2912)

Have a look what the booklet for  
XYZ(60.6224, 58.7379, 141.2912)  
contains.

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# **Color**

**XYZ(53.1714, 55.6439,  
102.5457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C7FF
RGB	161, 199, 255
RGB Percent	63%, 78%, 100%
CMY	0.3686, 0.2196, 0.0000
CMYK	0.37, 0.22, 0.00, 0.00
HSL	216°, 100%, 82%
HSV	216°, 37%, 100%
XYZ	53.1714, 55.6439, 102.5457
YIQ	194.0220, -40.6240, 9.3600

# Conversions

## Conversions Part 2

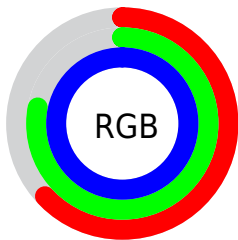
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 188, 255
Decimal	10602495
CIE <sub>Lab</sub>	79.41, 0.73, -31.54
CIE <sub>LCh</sub>	79, 31.549, 271.332
Yxy	55.6439, 0.2516, 0.2633
Android (android.graphics.Color)	4288792575 (0xFFA1C7FF)
YUV	194.0220, 30.0622, -28.9603
Hunter-Lab	74.5948, -3.3057, -29.2897

# Details

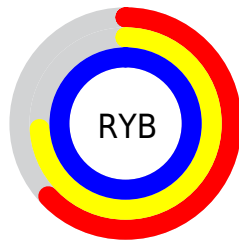
The XYZ color **53.1714, 55.6439, 102.5457** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.4865, 73.4595, 44.0789**, and the grayscale version is **51.1376, 53.8008, 58.5890**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **26.2623, 27.3922, 57.3291** is the 20% darker color. If you saturate the color by 10%, you get **45.2245, 46.6158, 101.2219**, and if you desaturate by 10%, it is **62.5183, 65.9141, 104.0354**.

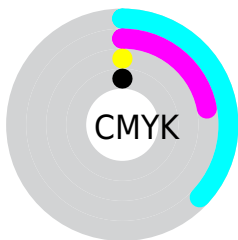
# Distribution



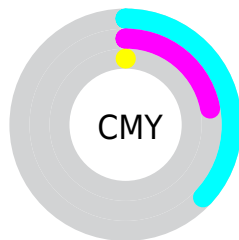
- Red (63%)
- Green (78%)
- Blue (100%)



- Red (63%)
- Yellow (74%)
- Blue (100%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1714, 55.6439, 102.5457 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 53.1714, 55.6439, 102.5457 by changing the saturation by 10% instead.



■ 53.1714, 55.6439,  
102.5457

■ 53.1714, 55.6439,  
102.5457

389.1925,  
408.3481, 589.6402

■ 38.1676, 39.9175,  
77.7996

■ 94.0206, 98.4837,  
166.7335

■ 26.2906, 27.4742,  
57.3939

■ 120.5967,  
126.3659, 207.0122

■ 17.1750, 17.9297,  
40.9101

151.7610,  
159.0689, 253.3055

■ 10.4554, 10.8995,  
27.9297

187.8788,  
196.9769, 306.0320

■ 5.7665, 5.9993,  
18.0341

229.3155,  
240.4745, 365.6102

■ 2.7429, 2.8447,  
10.8048

276.4365,

■ 1.0193, 1.0512,

289.9459, 432.4586

5.8232

329.6070,  
345.7757, 506.9957

■ 0.0000, 0.0000,  
2.6708

■ 0.0000, 0.0000,  
0.9287

■ 53.1714, 55.6439,  
102.5457

■ 53.1714, 55.6439,  
102.5457

■ 45.2245, 46.6158,  
101.2219

■ 62.5183, 65.9141,  
104.0354

■ 38.5985, 38.7704,  
100.0568

■ 73.3289, 77.4702,  
105.6961

■ 33.2132, 32.0516,  
99.0438

■ 85.6684, 90.3608,  
107.5339

■ 28.9766, 26.3954,  
98.1753

95.0500, 100.0000,  
108.9000

■ 25.7823, 21.7293,  
97.4431

■ 23.4976, 17.9664,  
96.8371

■ 22.9089, 16.9379,  
96.6696

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2609, 55.6439, 96.6087



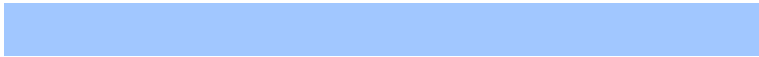
53.1714, 55.6439, 102.5457



59.4731, 55.6439, 95.5065

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.1714, 55.6439, 102.5457



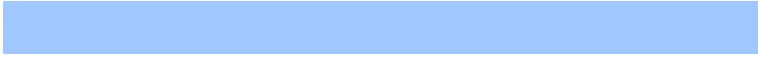
63.9808, 55.6439, 44.2075



42.9108, 55.6439, 45.3552

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.1714, 55.6439, 102.5457



72.4865, 73.4595, 44.0789

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.8076, 55.6439, 35.4226



53.1714, 55.6439, 102.5457



58.9446, 55.6439, 34.8588

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.1714, 55.6439, 102.5457



66.0136, 55.6439, 59.7798



52.6053, 55.6439, 31.9917



41.6287, 55.6439, 61.4010



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1714, 55.6439, 102.5457



62.9721, 55.6439, 85.0810



52.6053, 55.6439, 31.9917



43.9421, 55.6439, 41.3122

# Sweetspot

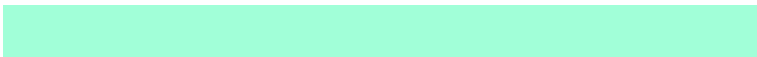
The Sweet Spot groups the original color and five complimentary colors.



53.1730, 55.6460, 102.5460



80.3717, 84.8606, 106.7514



62.8322, 84.0469, 77.7651



16.8440, 17.7889, 22.7958



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.1730, 55.6460, 102.5460



47.3602, 49.0760, 101.5842



47.1229, 41.1283, 100.0626



17.6058, 18.5832, 22.9089



12.1075, 9.1246, 50.5577



1.2827, 1.0960, 4.9572



# Inverse Universe

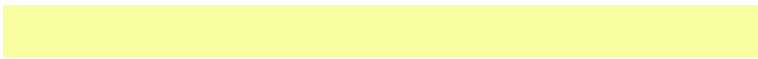
The Inverse Universe completely reimagines the original color for something new.



64.2948, 50.8749, 60.4661



60.1267, 44.4826, 53.0835



80.6101, 93.8979, 47.5957



18.3137, 18.1088, 20.2690



22.8995, 11.6491, 8.1213

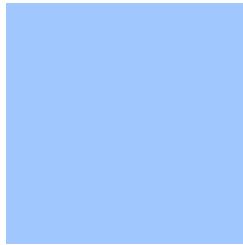


2.2820, 1.1552, 1.0667



# Previews

## White Background



This preview shows how the XYZ color 53.1714, 55.6439, 102.5457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

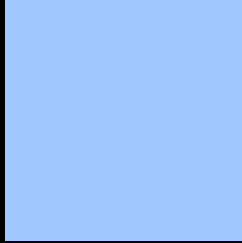
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.1714, 55.6439, 102.5457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

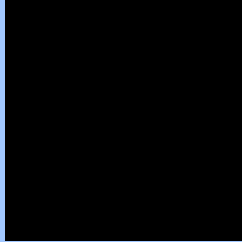
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

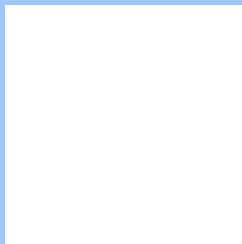
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.1714, 55.6439, 102.5457

## Background



This preview shows how black text looks on a background with the XYZ color 53.1714, 55.6439, 102.5457.



This preview shows how white text looks on a background with the XYZ color 53.1714, 55.6439,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.1714, 55.6439, 102.5457

### Protanopia

55.7604, 55.3724, 99.0158

### Deuteranopia

56.6484, 55.4272, 102.3206



## Tritanopia

48.0193, 55.6554, 76.6183

# Trichromacy



## Original Color

53.1714, 55.6439, 102.5457

## Protanomaly

54.7662, 55.5068, 99.9229

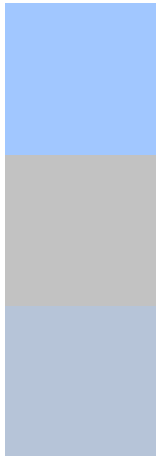
## Deuteranomaly

55.2443, 55.3642, 102.3824

## Tritanomaly

49.7742, 55.6630, 85.2114

# Monochromacy



## Original Color

53.1714, 55.6439, 102.5457

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

51.4260, 54.3828, 72.7522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1714, 55.6439, 102.5457 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(161, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(161, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1714, 55.6439, 102.5457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 199, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(161, 199, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(161, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1714, 55.6439, 102.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(161,  
199, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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